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The Society of the
Plastics Industry, Inc.

SPI

Monthly Statistical Report-Resins

355 Lexington Avenue
New York, New York 10017
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FOR THE MONTH AND PERIOD ENDED APRIL, 1984

PRODUCTION AND SALES & CAPTIVE USE OF THERMOSETTING AND THERMOPLASTIC RESINS

ISSUED BY THE
COMMITTEE ON RESIN STATISTICS

AS COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y.

1984 ISSUE NO. 4

RELEASE DATE: JUNE 15, 1984

NOTE TO USERS:

PLEASE USE THE FOLLOWING LEGEND WHEN QUOTING DATA FROM THIS REPORT.

SOURCE: SPI COMMITTEE ON RESIN STATISTICS AS COMPILED BY ERNST & WHINNEY

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The figures published in this report are reflective of the relevant segment of the industry. In accordance with SPI policy and regulations of the Committee on Resin Statistics, figures will not be published which tend to identify, directly or indirectly, a participant's individual data. Any figures withheld to avoid disclosure are identified by the letter "D" at the applicable line or space of the report. A line will be identified by a "D" if one company has more than 65% of that line, or if there are less than four companies reporting on that line.

PART 300/400
NON-PART 400/500

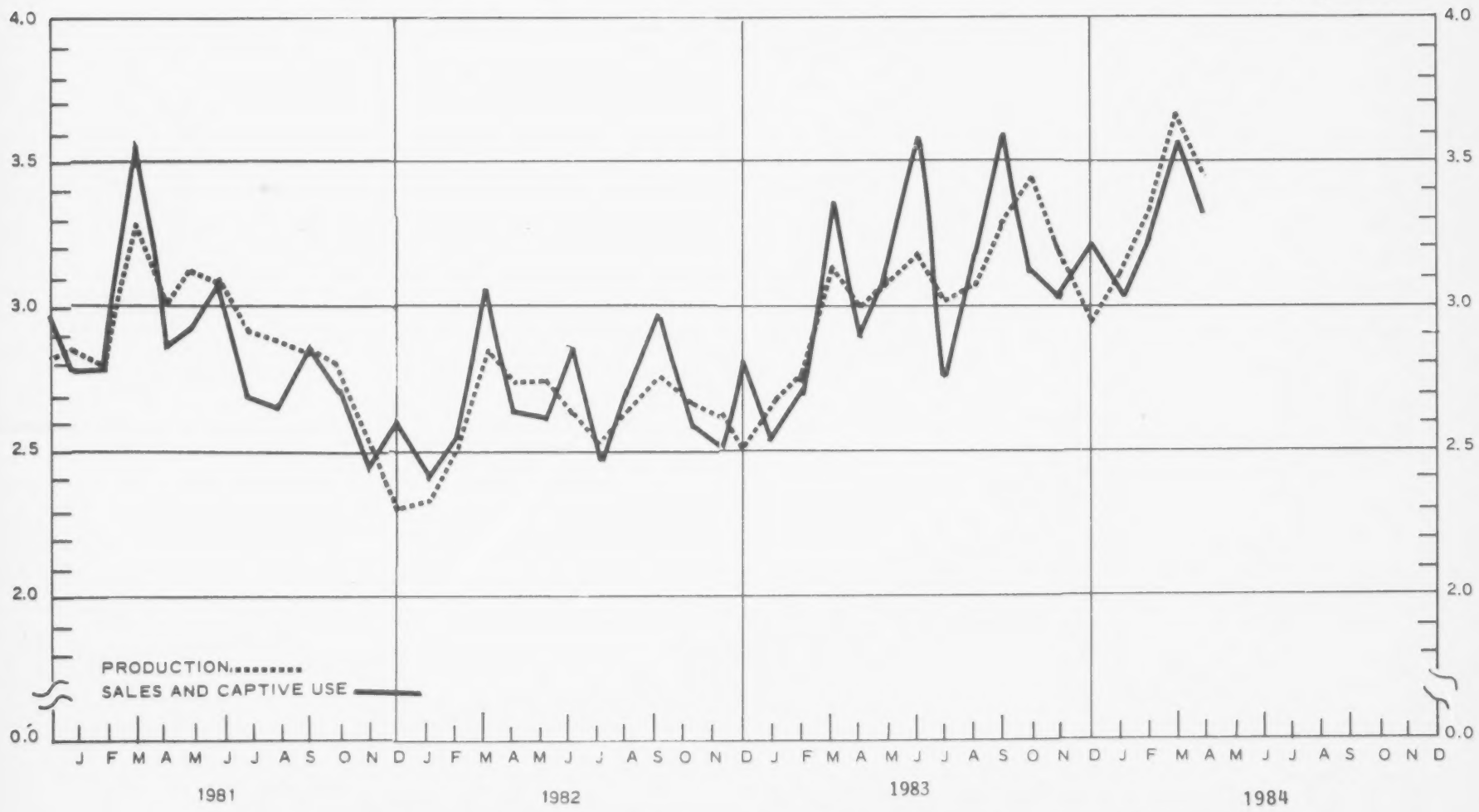
MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

PRODUCTION AND SALES & CAPTIVE USE OF PLASTIC RESINS

(In billion of pounds)

APRIL, 1984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PRODUCTION
SALES AND CAPTIVE USE
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COMPILED BY ERNST & WHINNEY, NEW YORK, N. Y. FOR SPI'S COMMITTEE ON RESIN STATISTICS (CRS).

SPI

SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)(1)

CRS

APRIL 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	33,063	26,030	+27.0	132,050R	100,892	+30.9	36,406	31,438	+15.8	139,666R	113,790	+22.7
POLYESTER (UNSATURATED) RESINS, TOTAL	109,670	86,419	+26.9	412,290R	328,052	+25.7	110,866	87,884	+26.2	416,222R	332,763	+25.1
UREA RESINS, TOTAL	104,909	99,944	+5.0	405,776	371,851	+9.1	106,458	101,640	+4.7	409,075	373,822	+9.4
MELAMINE RESINS, TOTAL	16,812	15,123	+11.2	67,017	57,273	+17.0	18,730	14,727	+27.2	69,861	57,257	+22.0
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	234,455	213,673	+9.7	885,982R	794,116	+11.6	238,386	212,375	+12.2	880,934R	776,333	+13.5
THERMOSETTING RESINS, TOTAL	498,909	441,189	+13.1	1,903,115R	1,652,184	+15.2	510,846	448,064	+14.0	1,915,758R	1,653,965	+15.8
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	682,287	606,030	+12.6	2,647,898	2,509,222	+5.5	678,984	648,797	+4.7	2,796,827R	2,584,537	+8.2
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	472,936	435,707	+8.5	1,876,666	1,677,533	+11.9	513,786	441,125	+16.5	2,030,915	1,765,363	+15.0
POLYPROPYLENE, TOTAL	382,317	335,644	+13.9	1,542,322	1,373,711	+12.3	409,245	340,777	+20.1	1,641,262R	1,390,570	+18.0
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	102,260	85,542	+19.5	385,777	306,816	+25.7	108,332	87,541	+23.8	419,845	312,025	+34.6
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	8,982	7,447	+20.6	34,294	30,074	+14.0	8,686	9,154	-5.1	67,307	28,516	+136.0
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	22,276	17,542	+27.0	81,546	68,091	+19.8	26,513	19,074	+39.0	90,960	72,178	+26.0
POLYSTYRENE, TOTAL	338,960	286,208	+18.4	1,250,705R	1,112,158	+12.5	311,519	296,941	+4.9	1,223,874R	1,094,444	+11.8
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	65,537	57,325	+14.3	248,775	216,574	+14.9	63,638	53,982	+17.9	251,042	216,878	+15.8
NYLON RESINS, TOTAL	32,956	26,039	+26.6	130,043	99,430	+30.8	33,249	27,880	+19.3	142,719	92,192	+54.8
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	541,858	492,152	+10.1	2,419,620R	2,053,501	+17.8	638,062	511,482	+24.7	2,388,759	1,947,089	+22.7
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	60,082	52,318	+14.8	241,083	220,626	+9.3	* 60,082	* 52,318	+14.8	* 241,083	* 220,626	+9.3
POLYVINYL ALCOHOL, TOTAL #	12,701	10,809	+17.5	49,078	43,788	+12.1	8,345	3,804	+119.4	45,781	36,112	+26.8
OTHER VINYL RESINS, TOTAL	15,337	14,841	+3.3	64,035	53,294	+20.2	18,051	15,523	+16.3	66,707	58,784	+13.5
THERMOPLASTIC POLYESTER, TOTAL	70,683	63,819	+10.8	261,982	232,498	+12.7	71,283	62,062	+14.9	276,097	230,345	+19.9
THERMOPLASTIC RESINS, TOTAL	2,809,172	2,491,423	+12.8	11,233,824R	9,997,316	+12.4	2,949,775	2,570,460	+14.8	11,683,178R	10,049,659	+16.3
GRAND TOTAL	3,308,081	2,932,612	+12.8	13,136,939R	11,649,500	+12.8	3,460,621	3,018,524	+14.6	13,598,936R	11,703,624	+16.2

(1) = Except phenolic resins which are reported on a gross weight basis
(4) = Includes Styrene Butadiene Latexes
# = Includes imputed data
D = Disclosure
R = Revision

Compiled by ERNST & WHINNEY, New York, N.Y., for SPI'S COMMITTEE ON RESIN STATISTICS (CRS)

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*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

SBL & OSBL includes some estimated data.

Vinyl Acetate Monomer includes some estimated data.

SPI

SECTION I

CRS

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In metric tons, dry weight basis)(1)

APRIL 1984

RESIN KIND	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	14,998	11,807	+27.0	59,897R	45,764	+30.9	16,514	14,260	+15.8	63,352	51,615	+22.7
POLYESTER (UNSATURATED) RESINS, TOTAL	49,746	39,199	+26.9	187,014R	148,803	+25.7	50,288	39,864	+26.2	188,797	150,940	+25.1
UREA RESINS, TOTAL	47,586	45,335	+5.0	184,059	168,670	+9.1	48,289	46,104	+4.7	185,555	169,565	+9.4
MELAMINE RESINS, TOTAL	7,626	6,860	+11.2	30,399	25,979	+17.0	8,496	6,680	+27.2	31,689	25,972	+22.0
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	106,348	96,921	+9.7	401,878	360,209	+11.6	108,131	96,333	+12.2	399,589	352,142	+13.5
THERMOSETTING RESINS, TOTAL	226,304	200,122	+13.1	863,247R	749,425	+15.2	231,718	203,241	+14.0	868,982	750,234	+15.8
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	309,483	274,893	+12.6	1,201,079	1,138,176	+5.5	307,985	294,292	+4.7	1,268,632	1,172,339	+8.2
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	214,522	197,635	+8.5	851,250	760,924	+11.9	233,052	200,093	+16.5	921,217	800,763	+15.0
POLYPROPYLENE, TOTAL	173,418	152,247	+13.9	699,593	623,111	+12.2	185,632	154,575	+20.1	744,472	630,758	+18.0
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	46,385	38,803	+19.5	174,987	139,171	+25.7	49,139	39,708	+23.8	190,440	141,534	+34.6
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	4,074	3,378	+20.6	15,556	13,641	+14.0	3,940	4,152	-5.1	30,530	12,935	+136.0
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	10,104	7,958	+27.0	36,989	30,886	+19.8	12,026	8,652	+39.0	41,259	32,740	+26.0
POLYSTYRENE, TOTAL	153,751	129,823	+18.4	567,316	504,472	+12.5	141,304	134,692,	+4.9	555,146	496,436	+11.8
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including styrene butadiene latexes not carboxylated (4)	29,728	26,002	+14.3	112,844	98,237	+14.9	28,866	24,486	+17.9	113,872	98,375	+15.8
NYLON RESINS, TOTAL	14,949	11,812	+26.6	58,987	45,101	+30.8	15,082	12,646	+19.3	64,737	41,818	+54.8
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	245,785	223,239	+10.1	1,097,532	931,463	+17.8	289,423	232,007	+24.7	1,083,535	883,194	+22.7
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	27,253	23,731	+14.8	109,354	100,075	+9.3	* 27,253	* 23,731	+14.8	* 109,354	* 100,075	+9.3
POLYVINYL ALCOHOL, TOTAL #	5,762	4,902	+17.5	22,262	19,862	+12.1	3,785	1,725	+119.4	20,766	16,380	+26.8
OTHER VINYL RESINS, TOTAL	6,957	6,731	+3.3	29,046	24,174	+20.2	8,188	7,041	+16.3	30,258	26,664	+13.5
THERMOPLASTIC POLYESTER, TOTAL	32,061	28,948	+10.8	118,834	105,460	+12.7	32,334	28,152	+14.9	125,237	104,484	+19.9
THERMOPLASTIC RESINS, TOTAL	1,274,232	1,130,102	+12.8	5,095,629	4,534,753	+12.4	1,338,009	1,165,952	+14.8	5,299,455	4,558,495	+16.3
GRAND TOTAL	1,500,536	1,330,224	+12.8	5,958,876	5,284,178	+12.8	1,569,727	1,369,193	+14.6	6,168,437	5,308,729	+16.2

(1) = Except phenolic resins which are reported on a gross weight basis
(4) = Includes Styrene Butadiene Latexes
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For the purpose of this table, one metric ton equals 2,204.6 pounds. On a monthly basis, the calculation of metric tons from thousands of pounds may not agree precisely due to rounding.

*These data equal that reported for Sales & Captive Use to more closely represent the ratio between Total Production and Total Sales & Captive Use. Actual production of PVAc is significantly higher than that shown here.

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOSETTING RESINS

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
EPOXY RESINS, TOTAL	33,063	26,030	+27.0	132,050R	100,892	+30.9	36,406	31,438	+15.8	139,666R	113,790	+22.7
Total Exports	4,265	3,286	+29.8	14,725	10,210	+44.2						
Total Domestic	28,798	22,744	+26.6	117,325R	90,682	+29.4						
Bonding & Adhesives	1,522	1,550	-1.8	6,333R	5,295	+19.6						
Flooring, Paving & Exposed Aggregate	1,371	1,301	+5.4	6,760R	5,446	+24.1						
Protective Coatings	13,393	10,366	+29.2	51,879R	41,608	+24.7						
Fiber Reinforced Laminates & Composites, Total	7,357	4,895	+50.3	31,242R	20,647	+51.3						
FRL&C for Printed Wiring Board	5,516	3,168	+74.1	22,775R	14,313	+59.1						
All Other FRL&C	1,841	1,727	+6.6	8,467R	6,334	+33.7						
Tooling, Casting & Molding Resins	2,432	2,102	+15.7	10,854R	8,683	+25.0						
All Other Uses	2,723	2,530	+7.6	10,257R	9,003	+13.9						
POLYESTER (UNSATURATED) RESINS, TOTAL	109,670	86,419	+26.9	412,290R	328,052	+25.7	110,866	87,884	+26.2	416,222R	332,763	+25.1
Total Exports	966	795	+21.5	2,915	3,374	-13.6						
Total Domestic	108,704	85,624	+27.0	409,375R	324,678	+26.1						
General Purpose Resins, Total	98,759	76,543	+29.0	368,076R	289,325	+27.2						
General Purpose – Thixotropic	46,198	37,152	+24.3	167,835R	129,810	+29.3						
General Purpose – Press Molding	14,844	10,445	+42.1	64,274	41,813	+53.7						
General Purpose – All Other	37,717	28,946	+30.3	135,967R	117,702	+15.5						
Flame Retardant Resins	1,956	1,596	+22.6	7,265	6,360	+14.2						
Chemical Resistant Resins	7,989	7,485	+6.7	34,034	28,993	+17.4						
Chemical Resistant Isophthalic Resins	5,511	5,355	+2.9	23,579	19,868	+18.7						
All Other Chemical Resistant Resins	2,478	2,130	+16.3	10,455	9,175	+14.6						
Reinforced Plastics, Total	84,592	66,383	+27.4	316,244R	248,683	+27.2						
Non-Reinforced Plastics, Total	24,112	19,241	+25.3	93,131R	75,995	+22.5						

R = Revision

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SECTION I

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOSETTING RESINS

(In thousands of pounds, dry weight basis)(1)

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
UREA RESINS, TOTAL	104,909	99,944	+5.0	405,776	371,851	+9.1	106,458	101,640	+4.7	409,075	373,822	+9.4
MELAMINE RESINS, TOTAL	16,812	15,123	+11.2	67,017	57,273	+17.0	18,730	14,727	+27.2	69,861	57,257	+22.0
UREA & MELAMINE RESINS, TOTAL	121,721	115,067	+5.8	472,793	429,124	+10.2	125,188	116,367	+7.6	478,936	431,079	+11.1
Total Exports	D	D		D	D							
Total Domestic *	121,721	115,067	+5.8	472,793	429 124	+10.2						
Textile Treating & Coating Resins	D	D		D	D		D	D		D	D	
Paper Treating & Coating Resins	7,852	5,800	+35.4	34,853	19,830	+75.8	8,141	6,011	+35.4	35,596	26,776	+23.7
Molding Compounds	D	D		D	D		D	D		D	D	
Bonding & Adhesive Resins for:	93,155	85,962	+8.4	355,795	317,731	+12.0	94,204	88,151	+6.9	358,463	323,693	+10.7
Laminating	3,936	3,343	+17.7	15,086	12,984	+16.2	4,005	3,335	+20.1	15,000	13,042	+15.0
Plywood	5,683	5,394	+5.4	17,886	20,301	-11.9	6,026	5,542	+8.7	18,658	20,889	-10.7
Fibrous & Granulated Wood (Particle Board)	83,536	77,225	+8.2	322,823	284,446	+13.5	84,173	79,274	+6.2	324,805	289,762	+12.1
Protective Coatings (Straight & Modified)	7,774	6,699	+16.0	28,059	25,297	+10.9	10,149	7,457	+36.1	35,972	27,029	+33.1
All Other Uses (Includes Textile Treating & Coating Resins, Molding Compounds, and Exports)	12,940	16,606	-22.1	54,086	66,266	-18.4	12,694	14,748	-13.9	48,905	51,581	-5.2
PHENOLIC & OTHER TAR ACID RESINS, TOTAL	234,455	213,673	+9.7	885,982R	794,116	+11.6	238,386	212,375	+12.2	880,934R	776,333	+13.5
Total Exports	1,831	1,579	+16.0	7,183	7,911	-9.2						
Total Domestic	232,624	212,094	+9.7	878,799R	786,205	+11.8						
Molding Compounds	23,950	18,687	+28.2	91,138	70,324	+29.6	25,305	23,407	+8.1	98,470	81,021	+21.5
Bonding & Adhesive Resins for:	204,388	189,916	+7.6	770,412R	700,543	+10.0	207,721	185,294	+12.1	764,428R	679,547	+12.5
Laminating	15,061	14,572	+3.4	55,755	53,585	+4.0	15,331	12,991	+18.0	54,274	45,088	+20.4
Coated & Bonded Abrasives	2,227	2,618	-14.9	9,599R	9,342	+2.8	2,388	2,595	-8.0	9,196R	9,151	+0.5
Friction Materials	3,297	2,778	+18.7	13,091	9,907	+32.1	3,342	2,862	+16.8	12,875R	9,300	+38.4
Insulation Materials	30,873	26,790	+15.2	116,679R	101,150	+15.4	31,182	25,198	+23.7	113,625R	94,496	+20.2
Foundry & Shell Molding	7,010	6,403	+9.5	26,123	22,315	+17.1	7,090	6,508	+8.9	27,014	22,873	+18.1
Plywood	120,114	113,062	+6.2	451,114	417,733	+8.0	121,167	111,392	+8.8	445,923	410,928	+8.5
Fibrous & Granulated Wood	17,417	16,753	+4.0	65,046	60,685	+7.2	17,627	16,383	+7.6	64,950	59,645	+8.9
Resins Sold to Rubber Industry	2,638	1,943	+35.8	11,144	8,243	+35.2	3,040	1,928	+57.7	12,291	9,380	+31.0
All Other	5,751	4,997	+15.1	21,861R	17,583	+24.3	6,554	5,437	+20.5	24,280R	18,686	+29.9
Protective Coatings — Unmodified & Modified	1,790	1,352	+32.4	7,635	6,149	+24.2	2,645	1,613	+64.0	8,130	6,456	+25.9
Resins Sold to Rubber Industry, Non-Adhesive Uses #	D	D		D	D		D	D		D	D	
All Other Uses #	2,496	2,139	+16.7	9,614	9,189	+4.6	2,715	2,061	+31.7	9,906	9,309	+6.4

(1) = Except phenolic resins which are reported on a gross weight basis

* = Domestic total includes exports.

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= Due to disclosure problem, All Other Uses includes Resins Sold to Rubber Industry, Non-Adhesive Uses.

D = Disclosure

R = Revision

MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

THERMOPLASTIC RESINS

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
LOW-DENSITY POLYETHYLENE 0.940 & BELOW, TOTAL	682,287	606,030	+12.6	2,647,898	2,509,222	+5.5	678,984	648,797	+4.7	2,796,827R	2,584,537	+8.2
Total Exports	61,686	78,071	-21.0	227,455	286,525	-20.6						
Total Domestic	620,601	527,959	+17.5	2,420,443	2,222,697	+8.9						
Film (12 Mils & Below)	388,377	340,390	+14.1	1,508,306	1,422,869	+6.0						
Sheet (Over 12 Mils)	D(3)	D(3)		D(3)	D(3)							
Injection Molding	52,420	47,202	+11.1	207,085	208,322	-0.6						
Wire & Cable	36,382	24,212	+50.3	130,187	102,547	+27.0						
Extrusion Coating	54,912	45,990	+19.4	217,507	178,581	+21.8						
Blow Molding	4,002	3,011	+32.9	15,952	12,027	+32.6						
Pipe & Conduit, Total	3,836	1,398	+174.4	12,282	7,694	+59.6						
Corrugated Pipe & Conduit	D	D		D	D							
Non-Corrugated Pipe & Conduit	D	D		D	D							
Other Extruded Products	7,445	7,789	-4.4	27,369	25,736	+6.3						
All Other Uses	73,227	57,967	+26.3	301,755	264,921	+13.9						
HIGH-DENSITY POLYETHYLENE ABOVE 0.940, TOTAL	472,936	435,707	+8.5	1,876,666	1,677,533	+11.9	513,786	441,125	+16.5	2,030,915	1,765,363	+15.0
Total Exports	58,022	70,773	-18.0	223,186	288,118	-22.5						
Total Domestic	414,914	364,934	+13.7	1,653,480	1,389,415	+19.0						
Film (12 Mils & Below)	26,239	25,381	+3.4	100,919	109,073	-7.5						
Sheet (Over 12 Mils)	8,533	4,932	+73.0	32,290	23,505	+37.4						
Injection Molding	101,272	95,765	+5.8	394,811	339,926	+16.1						
Wire & Cable	7,403	9,236	-19.8	35,577	38,963	-8.7						
Extrusion Coating	D(2)	D(2)		D(2)	D(2)							
Blow Molding	166,859	141,147	+18.2	681,909	542,841	+25.6						
Pipe & Conduit, Total	35,980	33,716	+6.7	148,778	123,094	+20.9						
Corrugated Pipe & Conduit	8,337	11,466	-27.3	40,609	51,797	-21.6						
Non-Corrugated Pipe & Conduit	27,643	22,250	+24.2	108,169	71,297	+51.7						
Other Extruded Products	3,386	2,992	+13.2	13,860	10,878	+27.4						
All Other Uses	65,242	51,765	+26.0	245,336	201,135	+22.0						

D = Disclosure
(2) = Included in Other Extruded Products
(3) = Included in Film

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYPROPYLENE, TOTAL	382,317	335,644	+13.9	1,542,322	1,373,711	+12.3	409,245	340,777	+20.1	1,641,262R	1,390,570	+18.0
Total Exports	50,027	43,553	+14.9	191,394	255,371	-25.1						
Total Domestic	332,290	292,091	+13.8	1,350,928	1,118,340	+20.8						
Injection Molding	114,302	94,740	+20.6	458,948R	381,455	+20.3						
Appliances	9,441	7,911	+19.3	40,479	30,297	+33.6						
Consumer Products	27,977	27,161	+3.0	104,163R	103,996	+0.2						
Rigid Packaging	30,351	27,641	+9.8	114,773	115,348	-0.5						
Transportation	24,775	17,770	+39.4	118,294	80,222	+47.5						
All Other Injection Molding	21,758	14,257	+52.6	81,239R	51,592	+57.5						
Blow Molding	7,699	5,557	+38.5	35,745	25,625	+39.5						
- Containers	D	D		D	D							
All Other Blow Molding	D	D		D	D							
Film (10 Mils & Below)	29,859	29,720	+0.5	133,311	115,498	+15.4						
Sheet (Over 10 Mils)	3,076	1,887	+63.0	17,612	7,928	+122.1						
Extrusion Coating	D	D		D	D							
Wire & Cable	D	D		D	D							
Fiber & Filaments	110,102	106,059	+3.8	446,267	368,627	+21.1						
Pipe & Conduit	D	D		D	D							
Other Extruded Products #	8,334	10,531	-20.9	34,006R	35,758	-4.9						
Resellers & Compounders	45,346	31,102	+45.8	158,469R	129,601	+22.3						
All Other Uses	13,572	12,495	+8.6	66,570	53,848	+23.6						

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= Includes Extrusion Coating, Wire & Cable, Pipe & Conduit

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.
(In thousands of pounds, dry weight basis)

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THERMOPLASTIC RESINS

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS, TOTAL	102,260	85,542	+19.5	385,777	306,816	+25.7	108,332	87,541	+23.8	419,845	312,025	+34.6
Total Exports	D	D		D	D		D	D		D	D	
Total Domestic												
Electrical & Electronic Uses												
Pipe, Conduit & Fittings												
Transportation												
Consumer & Institutional												
All Other Uses												
STYRENE-ACRYLONITRILE (SAN) RESINS, TOTAL	8,982	7,447	+20.6	34,294	30,074	+14.0	8,686	9,154	-5.1	67,307	28,516	+136.0
Total Exports	1,785	596	+199.5	4,234	2,967	+42.7						
Total Domestic	7,197	6,851	+5.1	30,060	27,107	+10.9						
OTHER STYRENE BASED POLYMERS, TOTAL 40% or more styrene	22,276	17,542	+27.0	81,546	68,091	+19.8	26,513	19,074	+39.0	90,960	72,178	+26.0
Total Export	D	D		D	D							
Total Domestic	22,276	17,542	+27.0	81,546	68,091	+19.8						
Molding & Extrusion	16,125	12,599	+28.0	58,265	48,966	+19.0						
Coatings	6,151	4,943	+24.4	23,281	19,125	+21.7						
POLYSTYRENE RESINS, TOTAL	338,960	286,208	+18.4	1,250,705R	1,112,158	+12.5	311,519	269,941	+4.9	1,223,874R	1,094,444	+11.8
Straight Polystyrene	168,695	149,120	+13.1	637,970R	572,041	+11.5	162,959	153,020	+6.5	634,658R	578,695	+9.7
Rubber-Modified Polystyrene	170,265	137,088	+24.2	612,735	540,117	+13.4	148,560	143,921	+3.2	589,216	515,749	+14.2
Total Exports	8,166	6,113	+33.6	27,300	27,427	-0.5						
Straight Polystyrene	4,298	3,797	+13.2	13,972	14,846	-5.9						
Rubber-Modified Polystyrene	3,868	2,316	+67.0	13,328	12,581	+5.9						
Total Domestic	330,794	280,095	+18.1	1,223,405R	1,084,731	+12.8						
Molding	135,431	122,587	+10.5	481,912R	452,851	+6.4						
Extrusion	129,647	95,792	+35.3	463,967	385,756	+20.3						
Expandable Polystyrene Beads	35,249	34,625	+1.8	144,220R	134,198	+7.5						
All Other Uses	30,467	27,091	+12.5	133,306R	111,926	+19.1						
Polystyrene End Uses, Total**	330,794	280,095	+18.1	1,223,405R	1,084,731	+12.8						
Packaging	88,352	73,459	+20.3	318,949R	269,825	+18.2						
Disposables	49,395	35,296	+39.9	177,817R	136,372	+30.4						
Consumer and Institutional Products	50,207	46,161	+8.8	178,461R	175,390	+1.8						
Electrical/Electronics	23,811	20,262	+17.5	83,812R	95,965	-12.7						
Furniture, Furnishings, Building & Construction	14,878	13,264	+12.2	57,558R	51,117	+12.6						
Expandable Polystyrene Beads	35,249	34,625	+1.8	144,220R	134,198	+7.5						
All Other End Uses	68,902	57,028	+20.8	262,588R	221,864	+18.4						

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*Exports is included in Molding & Extrusion under Total Domestic.
**Portions of the End Use Section are estimated.

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
STYRENE BUTADIENE LATEXES, TOTAL Carboxylated, 45% styrene content and over	D	D		D	D		D	D		D	D	
OTHER STYRENE BASED LATEXES, TOTAL 50% or more styrene including butadiene latexes not carboxylated	D	D		D	D		D	D		D	D	
STYRENE BUTADIENE & OTHER STYRENE BASED LATEXES, TOTAL***	65,537	57,325	+14.3	248,775	216,574	+14.9	63,638	53,982	+17.9	251,042	216,878	+15.8
Paper Treating	2,284	2,458	-7.1	9,908	9,694	+2.2						
Textile Treating	1,104	1,874	-41.1	5,713	6,938	-17.7						
Carpet Backing	27,583	25,403	+8.6	104,661	91,349	+14.6						
All Other Uses (Including Exports & Paper Coating)	34,566	27,590	+25.3	128,493	108,593	+18.3						
NYLON RESINS, TOTAL	32,956	26,039	+26.6	130,043	99,430	+30.8	33,249	27,880	+19.3	142,719	92,192	+54.8
Total Exports	2,296	1,893	+21.3	6,920	6,626	+4.4						
Total Domestic	30,660	24,146	+27.0	123,123	92,804	+32.7						
Injection Molding Grade	20,934	15,872	+31.9	83,973	58,511	+43.5						
Extrusion Grade	7,862	6,600	+19.1	30,751	28,094	+9.5						
Resellers and Compounders	1,323	1,241	+6.6	6,078	4,394	+38.3						
All Other Uses	541	433	+24.9	2,321	1,805	+28.6						

***Old disclosure rules apply for Styrene Butadiene section. One company cannot be greater than 50% and no two companies can be greater than 75%. For disclosure rules covering other materials, see the back of the cover of the report.

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SBL & OSBL includes some estimated data.

D = Disclosure

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

(In thousands of pounds, dry weight basis)

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THERMOPLASTIC RESINS

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT), TOTAL	541,858	492,152	+10.1	2,419,620R	2,053,501	+17.8	638,062	511,482	+24.7	2,388,759	1,947,089	+22.7
Homopolymer Resins Including Blending & Latex	493,345	443,342	+11.3	2,185,862R	1,835,058	+19.1	573,688	454,856	+26.1	2,145,430	1,744,480	+23.0
Copolymer Resins Including Blending & Latex	21,018	20,298	+3.5	100,056R	89,241	+12.1	29,765	23,295	+27.8	104,842	85,637	+22.4
Dispersion Resins	27,495	28,512	-3.6	133,702	129,202	+3.5	34,609	33,331	+3.8	138,487	116,972	+18.4
Total Exports	40,004	40,995	-2.4	164,134R	191,232	-14.2						
Total Domestic	501,855	451,157	+11.2	2,255,486R	1,862,269	+21.1						
Calendering, Total	48,757	42,706	+14.2	248,980R	227,005	+9.7						
Flooring	11,887	10,871	+9.3	57,172R	51,375	+11.3						
Textile	6,996	5,806	+20.5	37,911R	30,642	+23.7						
All Other Calendering Uses	29,874	26,029	+14.8	153,897R	144,988	+6.1						
Coating, Total	21,952	25,251	-13.1	117,883R	114,539	+2.9						
Flooring	4,934	9,750	-49.4	39,624R	45,645	-13.2						
Textile & Paper Coating	9,534	8,977	+6.2	40,394R	39,195	+3.1						
Protective Coatings	3,709	3,033	+22.3	15,553R	14,558	+6.8						
Adhesives & All Other Coating Uses	3,775	3,491	+8.1	22,312R	15,141	+47.4						
Extrusion, Total	333,624	300,290	+11.1	1,481,141R	1,172,591	+26.3						
Wire & Cable	30,218	28,216	+7.1	150,474R	119,931	+25.5						
Film & Sheet	26,162	26,305	-0.5	116,782R	100,649	+16.0						
Rigid Pipe & Tubing (Except Fittings)	223,239	202,725	+10.1	989,030R	769,481	+28.5						
All Other Extrusions	54,005	43,044	+25.5	224,855R	182,530	+23.2						
Molding, Total	40,373	38,808	+4.0	161,136R	137,530	+17.2						
Bottles	20,668	13,736	+50.5	66,373R	45,164	+47.0						
Sound Records	4,708	11,702	-59.8	24,873R	30,638	-18.8						
Fittings (Rigid Pipe & Tubing)	8,947	7,407	+20.8	42,993R	34,757	+23.7						
All Other Molding	6,050	5,963	+1.5	26,897R	26,971	-0.3						
Paste Processes (Except Coating)	13,435	11,484	+17.0	61,304R	56,351	+8.8						
Plastisol Formulation	7,114	6,431	+10.6	35,138R	30,421	+15.5						
All Other	6,321	5,053	+25.1	26,166R	25,930	+0.9						
Resellers & Compounders	14,290	12,889	+10.9	64,657R	63,991	+1.0						
All Other Uses	29,424	19,729	+49.1	120,385R	90,262	+33.4						

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MONTHLY STATISTICAL REPORT

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

CRS

THERMOPLASTIC RESINS

(In thousands of pounds, dry weight basis)

APRIL 1984

RESIN KIND & USE	SALES & CAPTIVE USE						PRODUCTION					
	APRIL			YEAR-TO-DATE			APRIL			YEAR-TO-DATE		
	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change	1984	1983	% Change
VINYL ACETATE MONOMER FOR POLYVINYL ACETATE, TOTAL	60,082	52,318	+14.8	241,083	220,626	+9.3						
Total Exports	333	644	-48.3	1,333	2,537	-47.5						
Total Domestic	59,749	51,674	+15.6	239,750	218,089	+9.9						
Emulsion Paints	18,015	15,534	+16.0	73,372	67,349	+8.9						
Adhesives, Caulks and Sealants	24,497	20,847	+17.5	97,076	88,094	+10.2						
Paper Treating & Paper Coating	10,472	8,752	+19.7	41,250	37,942	+8.7						
Textile Treating	1,472	1,818	-19.0	7,734	9,102	+27.7						
Non-Woven Binders	2,556	2,446	+4.5	10,430	10,192	+2.3						
All Other Uses	2,737	2,277	+20.2	9,828	8,410	+16.9						
POLYVINYL ALCOHOL, TOTAL θ	12,701	10,809	+17.5	49,078	43,788	+12.1	8,345	3,804	+119.4	45,781	36,112	+26.8
Total Exports	2,726	1,732	+57.4	9,321	7,180	+29.8						
Total Domestic	9,975	9,077	+9.9	39,757	36,608	+8.6						
OTHER VINYL RESINS*, TOTAL	15,337	14,841	+3.3	64,035	53,294	+20.2	18,051	15,523	+16.3	66,707	58,784	+13.5
Total Exports	3,401	3,161	+7.6	14,183	12,143	+16.8						
Total Domestic	11,936	11,680	+2.2	49,852	41,151	+21.1						
THERMOPLASTIC POLYESTER, TOTAL	70,683	63,819	+10.8	261,982	232,498	+12.7	71,283	62,062	+14.9	276,097	230,345	+19.9
Total Exports	9,096	6,285	+44.7	30,981	21,216	+46.0						
Total Domestic	61,587	57,534	+7.0	231,001	211,282	+9.3						
PET Bottle Grades	41,874	42,041	-0.4	159,249	157,610	+1.0						
All Other Thermoplastic Polyester**	19,713	15,493	+27.2	71,752	53,672	+33.7						

*Include only polyvinyl butyral, polyvinyl formal, and polyvinylidene chloride

**Includes All Other PET and All Injection Molding Grades

θ = Includes imputed data

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Vinyl Acetate Monomer for Polyvinyl Acetate includes some estimated data.

MONTHLY STATISTICAL REPORT
THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

THERMOSETTING & THERMOPLASTIC RESINS

RESIN CODING CLASSIFICATIONS	
EPOXY (UNMODIFIED) RESINS	EPOXY
POLYESTER (UNSATURATED) RESINS	PY
UREA RESINS	UREA
MELAMINE RESINS	MELA
PHENOLIC & OTHER TAR ACID RESINS	PHEN
LOW DENSITY POLYETHYLENE 0.940 & BELOW	LDPE
HIGH-DENSITY POLYETHYLENE ABOVE 0.940	HDPE
POLYPROPYLENE POLYMERS & COPOLYMERS	PP
ACRYLONITRILE-BUTADIENE-STYRENE (ABS) RESINS)	ABS
STYRENE-ACRYLONITRILE (SAN)	SAN
POLYSTYRENE RESINS	PS
STYRENE BUTADIENE LATEXES - carboxylated, 45% styrene content and over	SBL
OTHER STYRENE BASED LATEXES - over 50% styrene including styrene butadiene latexes not carboxylated	OTHER SBL
OTHER STYRENE BASED POLYMERS - over 40% styrene and used in molding and extrusion processes	OTHER SBP
NYLON RESINS	NYLON
POLYVINYL CHLORIDE & COPOLYMERS (DRY RESIN CONTENT)	PVC
POLYVINYL ACETATE	PVAc
POLYVINYL ALCOHOL	PVOH
OTHER VINYL RESINS	OTHER VINYL
THERMOPLASTIC POLYESTER	TPY

REPORTING CLASSIFICATIONS	
CATEGORY	CODE
Production	P
Domestic Sales	D
Export Sales	E

Above Legends Refer to the Following List of Reporting Companies by Resin Category.

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
ACME RESINS					PDE															
ADVANCE COATINGS		PD																		
A & E PLASTICS											PDE									
AIR PRODUCTS & CHEMICALS																PDE	DE	PDE		
ALLIED CORPORATION							PDE								PDE					
ALPHA CHEMICAL CORPORATION		PDE																		
AMERICAN CYANAMID COMPANY			PDE	PDE																
AMERICAN HOECHST CORP.- PLASTICS DIVISION							PDE				PDE									
AMERICAN HOECHST CORP.- SOU-TEX DIVISION				PD	PD															
AMETEK, HAVEG DIVISION					PD															
AMERICAN SYNTHETIC RUBBER												PD								
AMOCO CHEMICAL CORPORATION							PDE	PDE			PDE									
ANDERSON DEVELOPMENT CO.														PD						
ARCO CHEMICAL								PDE			PDE			PDE						
ASHLAND CHEMICAL COMPANY		PDE			PDE															
AZS CORPORATION		PD																		
BADISCHE CORPORATION															PD					
BASF WYANDOTTE											PD									
BELDING CHEMICAL INDUSTRIES															PD					

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LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
BENDIX CORPORATION					PD															
BORDEN CHEMICAL COMPANY			PDE	PD	PDE											PDE	D			
BORG-WARNER CHEMICALS, INC.									PDE	PD										
CARGILL, INC.		PD																		
CELANESE CHEMICAL COMPANY																	D			
CELANESE ENGINEERING RESINS	PDE		PD	PD											PDE					PDE
CERTAIN-TEED PRODUCTS CORP.																PD				
CHEMBOND CORPORATION			PD	PD	PDE															
CHEMPLEX COMPANY						PDE	PDE													
CIBA-GEIGY CORP.	PDE																			
CONOCO INC.																PDE				
COOK PAINT & VARNISH COMPANY		PD																		
COSDEN OIL & CHEMICAL COMPANY											PDE									
CUSTOM RESINS, INC.															PD					
DAN RIVER, INC.			PD																	
DOW CHEMICAL U.S.A.	PDE	PDE				PDE	PDE		PDE	PDE	PDE	PD	PD	PDE					PDE	
E.I. DU PONT DE NEMOURS AND COMPANY						PDE	PDE							PD	PDE			PDE	PDE	PDE
EASTMAN CHEMICAL COMPANY						PDE		PDE												PDE
EL PASO CHEMICAL						PDE		PDE												

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
EXXON CHEMICAL, AMERICAS						PDE	PDE	PDE												
FIRESTONE SYNTHETIC RUBBER & LATEX														PD						
FORMICA CORPORATION				PD	PD															
FORMOSA PLASTICS CORPORATION																PD				
FREEMAN CHEMICAL CORPORATION		PD																		
H.B. FULLER COMPANY																	DE			
GAF CORPORATION																				PDE
PLASTICS DEPARTMENT GENERAL ELECTRIC COMPANY																				PDE
GENERAL TIRE & RUBBER												PD	PD			PD				
GEORGIA-PACIFIC CORPORATION			PDE		PDE						PD					PDE				
GLIDDEN COATINGS AND RESINS DIV. OF SCM		PD																		
B.F. GOODRICH CHEMICAL COMPANY										PDE						PDE				
GOODYEAR CHEMICAL DIVISION												PD	PD	PDE		PDE				PDE
DEWEY & ALMY DIVISION W.R. GRACE & COMPANY									PD			PD	PD				D		PDE	
GRIFFTEX CHEMICALS			PD	PD																
GUARDSMAN CHEMICALS; INC.			PD																	

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THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
GULF OIL PRODUCTS COMPANY						PDE	PDE	PDE			PDE									
HERCULES, INC.														PDE						
HIMONT USA, INC.							PDE	PDE												
HOECHST FIBERS INDUSTRIES																				PDE
HUNTSMAN CHEMICAL CORPORATION											PD									
ICI AMERICAS		PDE																		
INMONT CORPORATION		PD			PD															
INTERPLASTIC CORPORATION		PD																		
IRONSIDES RESINS, INC.					PD															
KEYSOR-CENTURY CORPORATION																PD				
KOPPERS COMPANY		PD			PDE															
MAPLECHEM, INC.			PD	PD																
MASONITE CORPORATION					PD															
MOBIL CHEMICAL COMPANY						PDE					PDE									
MONSANTO POLYMER PRODUCTS CO.			PDE	PDE					PDE	PDE	PDE			PDE	PDE		DE	PDE	PDE	
MORTON INDUSTRIES													PD						PDE	

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COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
NATIONAL STARCH & CHEMICALS CORP																	D			
NORTHERN PETROCHEMICAL						PDE		PDE												
NYLON CORP. OF AMERICA															PD					
OCCIDENTAL CHEMICAL CORP					PDE											PDE				
OWENS-CORNING FIBERGLAS		PDE		PD	PD															
PERKINS INDUSTRIES, INC.			PD		PD															
PERSTORP COMPOUNDS, INC			PDE	PD																
PHILLIPS CHEMICAL COMPANY						DE	PDE	PDE						PDE						
PIONEER PLASTICS		PD	PD	PD	PD															
PLASLOK CORPORATION					PD															
PLASTICS ENGINEERING COMPANY					PDE															
PLASTICS MANUFACTURING CO.			PD	PD																
POLYMER APPLICATION, INC.					PD															
POLYREZ COMPANY, INC.					PDE															
POLYSAR LIMITED												PD	PD							
POLYSAR, INC.											PDE									
RAYMARK INDUSTRIES					PD															
REICHHOLD CHEMICALS, INC.	PDE	PDE	PDE	PDE	PDE							PD					D			

THE SOCIETY OF THE PLASTICS INDUSTRY, INC.

LIST OF REPORTING COMPANIES BY RESIN CATEGORY

COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SRL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
RILSAN CORPORATION															PDE					
ROGERS CORPORATION					PDE															
ROHM AND HAAS COMPANY														PDE			D		PDE	PD
SHAKESPEARE COMPANY															PD					
SHELL CHEMICAL COMPANY	PDE							PDE												
SHERWIN WILLIAMS		PD																		
SHINTECH, INC																PDE				
SILMAR DIV. OF SOHIO CHEM. CO.		PDE																		
SOLTEX POLYMER CORP.							PDE	PDE												
TENNECO POLYMERS, INC.																PDE				
TEXTYRENE PLASTICS											PD									
UNION CARBIDE CORPORATION	PDE				PDE	PDE	PDE										DE			
UNION CHEMICAL												PD					D		PD	
UNIROYAL CHEMICAL					PDE															
U.S. INDUSTRIAL CHEMICAL						PDE	DE										D			
USS CHEMICAL		PDE						PDE												
VALCHEM DIV. OF UNITED MERCHANTS, INC.			PD																	
VALITE DIVISION OF VALENTINE SUGARS, INC.					PD															
VANLEER CONTAINERS, INC.					PD															

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COMPANY	RESIN CATEGORY																			
	EPOXY	PY	UREA	MELA	PHEN	LDPE	HDPE	PP	ABS	SAN	PS	SBL	OTHER SBL	OTHER SBP	NYLON	PVC	PVAC	PVOH	OTHER VINYL	TPY
VITITEK											PD									
WELLMAN, INC.															PDE					
TOTAL 106	6	19	16	14	28	12	13	12	4	4	15	8	6	10	11	13	12	3	7	8